Display board

J8
1
2
3
4
5
6
7
8
9
10
11
12
13
14

J7
1   2
3   4
5   6
7   8
9   10

GNDD

+5V   +3.3V

5V   3V3
19   17

2   CHIP_PU   U0TXD/GPIO1   35
                                      U0RXD/GPIO3   34

7   32K_XP/GPIO32/ADC1_CH4
8   32K_XN/GPIO33/ADC1_CH5   GPIO0/BOOT/ADC2_CH1   25
                                  ADC2_CH2/GPIO2   24
13   MTDI/GPIO12/ADC2_CH5   ADC2_CH0/GPIO4   26
15   MTCK/GPIO13/ADC2_CH4   GPIO5   29
12   MTMS/GPIO14/ADC2_CH6   GPIO18   30
23   MTDO/GPIO15/ADC2_CH3   GPIO19   31
                                        GPIO21   33
5   VDET_1/GPIO34/ADC1_CH6   GPIO22   36
6   VDET_2/GPIO35/ADC1_CH7   GPIO23   37
3   SENSOR_VP/GPIO36/ADC1_CH0   DAC_1/ADC2_CH8/GPIO25   9
4   SENSOR_VN/GPIO39/ADC1_CH3   DAC_2/ADC2_CH9/GPIO26   10
                                  ADC2_CH7/GPIO27   11

ESP32-DevKitC

                        SD_CLK/GPIO6   20
                      SD_DATA0/GPIO7   21
                      SD_DATA1/GPIO8   22
                      SD_DATA2/GPIO9   16
                     SD_DATA3/GPIO10   17
                                 CMD   18
                              GPIO16   27
                              GPIO17   28

GND
14

U1
ESP32-DevKitC
GND

J1
CTRL
GND   GND
1   2
START   3   4   FIRE
RIGHT   5   6   LEFT
DOWN   7   8   UP

+5V
1
2
GND
J4
PWR_IN

COIN   1
GND   2
J3
COIN

J5
AUDIO
1   +3.3V
2
3   4
5   6
GND

JP1   GND

+3.3V   J2
DISPLAY   GND
1   2
CS   3   4   RESET
DC   5   6   MOSI
SCK   7   8   LED
MISO 9   10   GND

+3.3V
1
2
3
GND
J6
LEDs

ESP32 Board

ESP32 Control

H1   H2   H5

SW1
UP

SW2
LEFT
              H7

                  SW3
                  RIGHT   SW5   SW6
                           START   FIRE

                                              8   7
                                              6   5
                                              4   3
                                              2   1
                                              J9

CGND
        SW4
        DOWN   H8   H9
                                              CTRL

H3   H4   H6